

ABSTRACT OF THE DISCLOSURE

A multiple tube type separation membrane module characterized in that said module comprises plurality of tubular separation membrane elements 3 having sealed ends and open ends; 5 outside pipes 13 surrounding the tubular separation membrane elements 3 with spaces formed therebetween and having first openings on the sealed ends side of the tubular separation membrane elements 3 as well as second openings 133 in the 10 vicinities of the open ends of the tubular separation membrane elements; means for inlet communicating with the first openings of the outside pipes; first means for outlet communicating with the open ends of the tubular separation membrane elements; and second means for outlet communicating with the second openings 15 of the outside pipes, wherein fluid F_1 flowing from the first openings of the outside pipes through the means for inlet flows in the spaces between the tubular separation membrane elements 3 and the outside pipes 13, component F_2 separated from the fluid F_1 by the tubular separation membrane elements 3 flows out from 20 the first means for outlet through the open ends of the tubular separation membrane elements 3, and the remaining fluid F_3 flows out from the second means for outlet.